

## WEST Search History for Application 10607809

Creation Date: 2009082418:42

(inactivated KsQ domain) and PKSUSPT OR YES 02-29-2008  
Katz.in.USPT OR YES 02-29-2008  
Khosla.in.USPT OR YES 02-29-2008  
(Khosla.in. ) and ((inactivated KsQ domain) and PKS )USPT OR YES 02-29-2008  
(Katz.in. ) and ((inactivated KsQ domain) and PKS )USPT OR YES 02-29-2008  
(Katz.in. and (inactivated KsQ domain) and PKS ) and (AT domain for ethylmalonyl CoA)USPT OR YES 02-29-2008  
(icm and ccr)USPT OR YES 02-29-2008  
((icm and ccr) ) and (Katz.in. and (inactivated KsQ domain) and PKS and (AT domain for ethylmalonyl CoA) )USPT OR YES 02-29-2008  
Revill.in.USPT OR YES 02-29-2008  
(Revill.in. ) and ( ((inactivated KsQ domain) and PKS ) )USPT OR YES 02-29-2008  
60087.pn.USPT OR YES 10-28-2008  
6004787.pn.USPT OR YES 10-28-2008  
(6004787.pn. ) and (beta-ketiacylsynthase)USPT OR YES 10-28-2008  
(6004787.pn. ) and (beta-ketoacylsynthase)USPT OR YES 10-28-2008  
(6004787.pn. ) and (loading module)USPT OR YES 10-28-2008  
(6004787.pn. ) and (KSQ)USPT OR YES 10-28-2008  
KSQ domainUSPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(KSQ domain ) and (AT domain specific for ethylmalonyl CoA)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(KSQ domain ) and (AT domain )USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(KSQ domain and (AT domain ) ) and (crotonyl CoA)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(KSQ domain and (AT domain ) ) and (crotonyl CoA reductase)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(KSQ domain and (AT domain ) and (crotonyl CoA reductase) ) and (KSQ domain and (AT domain ) and (crotonyl CoA) )USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(KSQ domain and (AT domain ) and (crotonyl CoA reductase) and KSQ domain and (AT domain ) and (crotonyl CoA) ) and (isobutyryl CoA mutase)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(KSQ domain and (AT domain ) and (crotonyl CoA reductase) and KSQ domain and (AT domain ) and (crotonyl CoA) and (isobutyryl CoA mutase) ) (streptomyces cinnamomensis)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(L13(streptomyces cinnamomensis) ) and (streptomyces coelicolor)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(L13(streptomyces cinnamomensis) and (streptomyces coelicolor) ) and (6 extender module)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(L13(streptomyces cinnamomensis) and (streptomyces coelicolor) and (6 extender module) ) and (beta-ketoacylsynthase domain)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(L13(streptomyces cinnamomensis) and (streptomyces coelicolor) and (6 extender module) and (beta-ketoacylsynthase domain) ) and (acyl transferase domain)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
(L13(streptomyces cinnamomensis) and (streptomyces coelicolor) and (6 extender module) and (beta-ketoacylsynthase domain) and (acyl transferase domain) ) and (ethylmalonyl

CoA)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
 (L13(streptomyces cinnamomensis) and (streptomyces coelicolor) and (6 extender module)  
 and (beta-ketoacylsynthase domain) and (acyl transferase domain) and (ethylmalonyl CoA) )  
 and (acyl carrier protein)USPT, USOC, EPAB, JPAB, DWPI, TDBD OR YES 10-28-2008  
 (L13(streptomyces cinnamomensis) and (streptomyces coelicolor) and (6 extender module)  
 and (beta-ketoacylsynthase domain) and (acyl transferase domain) and (ethylmalonyl CoA)  
 and (acyl carrier protein) ) and (saccharopolyspora)USPT, USOC, EPAB, JPAB, DWPI,  
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 and (beta-ketoacylsynthase domain) and (acyl transferase domain) and (ethylmalonyl CoA)  
 and (acyl carrier protein) and (saccharopolyspora) ) and (E. coli)USPT, USOC, EPAB, JPAB,  
 DWPI, TDBD OR YES 10-28-2008  
 katz.in.USPT OR YES 10-28-2008  
 (katz.in. ) and (L13(streptomyces cinnamomensis) and (streptomyces coelicolor) and (6  
 extender module) and (beta-ketoacylsynthase domain) and (acyl transferase domain) and  
 (ethylmalonyl CoA) and (acyl carrier protein) and (saccharopolyspora) and (E. coli)  
 )USPT OR YES 10-28-2008  
 6627427.pn.USPT OR YES 10-28-2008  
 (6627427.pn. ) and (KSQ domain)USPT OR YES 10-28-2008  
 (6627427.pn. ) and (ethylmalonyl CoA)USPT OR YES 10-28-2008  
 (6004787.pn. ) and (KS.sup.Q)USPT OR YES 10-28-2008  
 (6004787.pn. ) and (KS.sup.Q domain)USPT OR YES 10-28-2008  
 (6004787.pn. ) and (KS)USPT OR YES 10-28-2008  
 (6627427.pn. ) and (crotonyl CoA reductase)USPT OR YES 10-28-2008  
 (6627427.pn. ) and (isobutyryl CoA)USPT OR YES 10-28-2008  
 6066721.pn.USPT OR YES 11-07-2008  
 (6066721.pn. ) and (KSQ)USPT OR YES 11-07-2008  
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 6004787.pn.USPT OR YES 11-07-2008  
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 6583290.pn.USPT OR YES 11-07-2008  
 (6583290.pn. ) and (KSQ)USPT OR YES 11-07-2008  
 6410301.pn.USPT OR YES 11-07-2008  
 (6410301.pn. ) and (KSQ)USPT OR YES 11-07-2008  
 (thioester and polyketide)USPT OR YES 11-07-2008  
 ((thioester and polyketide) ) and (KSQ)USPT OR YES 11-07-2008  
 7148045.pn.USPT OR YES 11-07-2008  
 (7148045.pn. ) and (ethylmalonyl CoA)USPT OR YES 11-07-2008  
 (7148045.pn. ) and (KSQ)USPT OR YES 11-07-2008  
 6759536.pn.USPT OR YES 11-07-2008  
 (6759536.pn. ) and (KSQ)USPT OR YES 11-07-2008  
 (6759536.pn. ) and (ethylmalonyl)USPT OR YES 11-07-2008  
 (6759536.pn. ) and (inactivated beta-ketoacylsynthase domain)USPT OR YES 11-07-2008  
 (6759536.pn. ) and (crotonyl Co A reductase and streptomyces  
 coelicolor)USPT OR YES 11-07-2008  
 (6759536.pn. ) and (extender module)USPT OR YES 11-07-2008  
 6600029.pn.USPT OR YES 11-07-2008  
 (6600029.pn. ) and (Ksq)USPT OR YES 11-07-2008  
 6759536.pn.USPT OR YES 05-12-2009  
 (6759536.pn. ) and (ccr)USPT OR YES 05-12-2009  
 (6759536.pn. ) and (PKS enzyme)USPT OR YES 05-12-2009

(6759536.pn. ) and (loading module)USPT OR YES 05-12-2009  
 (6759536.pn. ) and (KSQ)USPT OR YES 05-12-2009  
 (6759536.pn. ) and (crotonyl CoA reductase)USPT OR YES 05-12-2009  
 katz.in.PGPB OR YES 05-12-2009  
 revill.in.PGPB OR YES 05-12-2009  
 (revill.in. ) and (katz.in. )PGPB OR YES 05-12-2009  
 (PKS) and (loading module)USPT OR YES 05-12-2009  
 (PKS gene encoding loading module)USPT OR YES 05-12-2009  
 ((PKS gene encoding loading module) ) and (inactivated beta-ketoacylsynthase domain)USPT OR YES 05-12-2009  
 ((PKS gene encoding loading module) and (inactivated beta-ketoacylsynthase domain) ) and (acyl transferase domain)USPT OR YES 05-12-2009  
 ((PKS gene encoding loading module) and (inactivated beta-ketoacylsynthase domain) and (acyl transferase domain) ) and (ethylmalonyl CoA)USPT OR YES 05-12-2009  
 ((PKS gene encoding loading module) and (inactivated beta-ketoacylsynthase domain) and (acyl transferase domain) and (ethylmalonyl CoA) ) and (acyl carrier protein domain)USPT OR YES 05-12-2009  
 ((PKS gene encoding loading module) and (inactivated beta-ketoacylsynthase domain) and (acyl transferase domain) and (ethylmalonyl CoA) and (acyl carrier protein domain) ) and (crotonyl CoA reductase)USPT OR YES 05-12-2009  
 ((PKS gene encoding loading module) and (inactivated beta-ketoacylsynthase domain) and (acyl transferase domain) and (ethylmalonyl CoA) and (acyl carrier protein domain) and (crotonyl CoA reductase) ) and (streptomyces fradiae)USPT OR YES 05-12-2009  
 ((PKS gene encoding loading module) and (inactivated beta-ketoacylsynthase domain) and (acyl transferase domain) and (ethylmalonyl CoA) and (acyl carrier protein domain) and (crotonyl CoA reductase) and (streptomyces fradiae) ) and (isobutyryl CoA mutase)USPT OR YES 05-12-2009  
 ((PKS gene encoding loading module) and (inactivated beta-ketoacylsynthase domain) and (acyl transferase domain) and (ethylmalonyl CoA) and (acyl carrier protein domain) and (crotonyl CoA reductase) and (streptomyces fradiae) and (isobutyryl CoA mutase) ) and (strptomyces cinnamonesis)USPT OR YES 05-12-2009  
 (6759536.pn. ) and (streptomyces)USPT OR YES 05-12-2009

## Prior Art Searches

| Query   | DB   | Op. | Plur. | Thes. | Date       |
|---|------|-----|-------|-------|------------|
| (PKS) and (saccharopolyspora)   | USPT | OR  | YES   |       | 08-24-2009 |
| ((PKS) and (saccharopolyspora) ) and (crotonyl CoA reductase or ccr)  | USPT | OR  | YES   |       | 08-24-2009 |
| ((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) ) and (KSQ)  | USPT | OR  | YES   |       | 08-24-2009 |
| ((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) ) and (streptomyces cinnamonesis)                            | USPT | OR  | YES   |       | 08-24-2009 |
| ((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) and (streptomyces cinnamonesis) ) and (streptomyces fradiae) | USPT | OR  | YES   |       | 08-24-2009 |

|  |      |    |     |  |            |
|--|------|----|-----|--|------------|
| <b>((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) and (streptomyces cinnammonensis) and (streptomyces fradiae) ) and (extender)</b>  | USPT | OR | YES |  | 08-24-2009 |
| <b>((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) and (streptomyces cinnammonensis) and (streptomyces fradiae) and (extender) ) and (loading module)</b>   | USPT | OR | YES |  | 08-24-2009 |
| <b>((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) and (streptomyces cinnammonensis) and (streptomyces fradiae) and (extender) and (loading module) ) and (ethylmalonyl)</b>  | USPT | OR | YES |  | 08-24-2009 |
| <b>((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) and (streptomyces cinnammonensis) and (streptomyces fradiae) and (extender) and (loading module) and (ethylmalonyl) ) and (streptomyces collinus)</b>  | USPT | OR | YES |  | 08-24-2009 |
| <b>((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) and (streptomyces cinnammonensis) and (streptomyces fradiae) and (extender) and (loading module) and (ethylmalonyl) and (streptomyces collinus) ) and ((PKS) and (saccharopolyspora) and (crotonyl CoA reductase or ccr) and (KSQ) )</b> | USPT | OR | YES |  | 08-24-2009 |
| <b>katz.in.</b>  | PGPB | OR | YES |  | 08-24-2009 |
| <b>revill.in.</b>  | PGPB | OR | YES |  | 08-24-2009 |
| <b>(revill.in. ) and (katz.in. )</b>   | PGPB | OR | YES |  | 08-24-2009 |